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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

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|------------------------------------------|---|------------------------|-------------------------|
| | | Application Number | 10/646,458 |
| | | Filing Date | August 22, 2003 |
| | | First Named Inventor | Kenneth COLLINS, et al. |
| | | Art Unit | 1763 |
| | | Examiner Name | Unknown |
| Total Number of Pages in This Submission | 4 | Attorney Docket Number | 006915 P01 |

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Remarks | <input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | |
|-------------------------|-------------------|-----------------|
| Firm or Individual name | Robert M. Wallace | Reg. No. 29,119 |
| Signature | | |
| Date | 05/21/04 | |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

| | | |
|-----------------------|-------------|-----------------|
| Typed or printed name | Shelly Hart | |
| Signature | | Date 05/21/2004 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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on MAY 24, 2004 (Date of Deposit)
05/24/04 Sherry Burt

PATENT

Attorney Docket No. 6915 P01
RW Ref. No. APM/001-02-CP1-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:)
Kenneth COLLINS, et al.) Group Art Unit: 1763
)
Entitled: PLASMA IMMERSION ION) Examiner: Unknown
IMPLANTATION APPARATUS INCLUDING PLASMA)
SOURCE HAVING LOW DISSOCIATION AND LOW)
MINIMUM PLASMA VOLTAGE)
)
Serial No.: 10/646,458)
)
Filing Date: August 22, 2003)

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.

No representation is made that more pertinent material is not available or should not be considered by the Examiner. It is expected that the Patent and Trademark Office will independently conduct a complete search of appropriate art. Furthermore, no admission is being made that these documents are prior art, and applicant reserves the right to challenge any such consideration.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures, section 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of each foreign patent document and/or non-patent literature is enclosed. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

Respectfully submitted,



Dated: 05/21/04

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MAY 28 2004

INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 1

Application Number: 10/646,458
 Filing Date: August 22, 2003
 First Named Inventor: Kenneth COLLINS, et al.
 Group Art Unit: 1763
 Examiner Name: Unknown
 Attorney Docket Number: 006915 P01

U. S. PATENT DOCUMENTS

| Examiner Initials | Document No | Publication Date | Name of Patentee or Applicant of Cited Document | Class | Subclass | Filing Date |
|-------------------|-----------------|------------------|-------------------------------------------------|-------|----------|-------------|
| | US-5,074,456 | 12-24-1991 | DEGNER ET AL. | 228 | 121 | 09-18-1990 |
| | US-5,653,811 | 08-05-1997 | CHAN | 118 | 723 | 07-19-1995 |
| | US-6,000,360 | 12-14-1990 | KOSHIMUZU | 118 | 723 | 07-02-1997 |
| | US-6,392,351 B1 | 05-21-2002 | SHUNKO | 315 | 111.51 | 05-03-1999 |
| | US-6,679,981 B1 | 01-20-2004 | PAN ET AL. | 204 | 298.06 | 05-11-2000 |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | Publication Date | Country | Name of Patentee or Applicant of Cited Document | Translation? (Yes/No/n/a) |
|-------------------|-------------------------|------------------|---------|-------------------------------------------------|---------------------------|
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NON PATENT LITERATURE DOCUMENTS

| | |
|-------------------|--|
| Examiner Initials | |
| | |
| | |

Examiner's Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.